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Vellore Institute of Technology

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SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING

SMARTBRIDGE ASSIGNMENT – 3

Modern Application Development(Java Spring Boot)

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PROGRAMME:M.TECH(INTEGRATED)SOFTWARE ENGINEERING

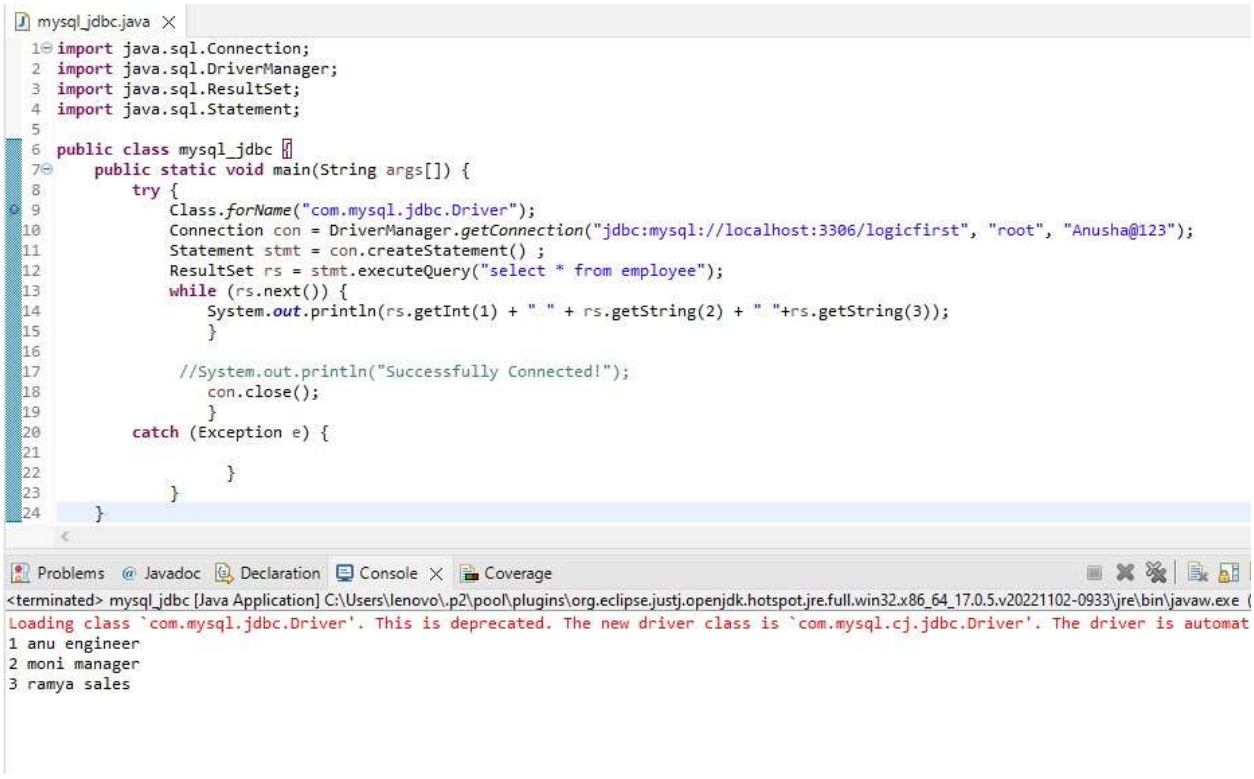
Retrive Data Using JDBC:

Code:

```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class JDBC_connect {

	public static void main(String args[]) {

		try {

			Class.forName("com.mysql.jdbc.Driver");

			Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst",
"root", "Priya");

			Statement stmt = con.createStatement() ;

			ResultSet rs = stmt.executeQuery("select * from
company");

			while (rs.next()) {

				System.out.println(rs.getInt(1) + " " +
rs.getString(2) + " "+rs.getString(3));

				}
```

```
                System.out.println("Successfully Connected!");
                    con.close();
                    }
            catch (Exception e) {
                     }
                }
        }
```

Output :



```
mysql_jdbc.java
1  import java.sql.Connection;
2  import java.sql.DriverManager;
3  import java.sql.ResultSet;
4  import java.sql.Statement;
5
6  public class mysql_jdbc {
7      public static void main(String args[]) {
8          try {
9              Class.forName("com.mysql.jdbc.Driver");
10             Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst", "root", "Anusha@123");
11             Statement stmt = con.createStatement() ;
12             ResultSet rs = stmt.executeQuery("select * from employee");
13             while (rs.next()) {
14                 System.out.println(rs.getInt(1) + " " + rs.getString(2) + " "+rs.getString(3));
15                 }
16
17              //System.out.println("Successfully Connected!");
18                 con.close();
19                 }
20         catch (Exception e) {
21
22                  }
23             }
24     }

Problems  Javadoc  Declaration  Console  Coverage
<terminated> mysql_jdbc [Java Application] C:\Users\lenovo\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automat
1 anu engineer
2 moni manager
3 ramya sales
```

Update Data Using JDBC :

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;


public class mysql_jdbc {

	public static void main(String args[]) {

		try {

			Class.forName("com.mysql.jdbc.Driver");

			Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst",
"root", "Anusha@123");

			Statement stmt = con.createStatement() ;

			int r = stmt.executeUpdate("insert into
employee(emp_id,ename,job_decs,salary)
values(4,\"priya\",\"engineer\",50000)");

			if(r>0)

			{

				System.out.println("Successfully Updated");

			}

			ResultSet rs = stmt.executeQuery("select * from
employee");
```

```
                while (rs.next()) {
                        System.out.println(rs.getInt(1) + " " +
rs.getString(2) + " "+rs.getString(3));
                        }
                        con.close();
                        }
            catch (Exception e) {
                        System.out.println(e.toString());
                         } }
      }
```

Output:

```java
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class mysql_jdbc {
    public static void main(String args[]) {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst", "root", "Anusha@123");
            Statement stmt = con.createStatement() ;
            int r = stmt.executeUpdate("insert into employee(emp_id,ename,job_decs,salary) values(4,\"priya\",\"engineer\",50000)");
            if(r>0)
            {
                System.out.println("Successfully Updated");
            }
            ResultSet rs = stmt.executeQuery("select * from employee");
            while (rs.next()) {
                System.out.println(rs.getInt(1) + " " + rs.getString(2) + " "+rs.getString(3));
                }
                con.close();
                }
        catch (Exception e) {
```

```
<terminated> mysql_jdbc [Java Application] C:\Users\lenovo\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe (Jun 7,
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatical
Successfully Updated
1 anu engineer
2 moni manager
3 ramya sales
4 priya engineer
```

Before Insert:

```sql
use logicfirst;
create table employee(
com_id int primary key,
com_name varchar(15),
job_desc varchar(3),
salary int (3));
Describe employee;
insert into employee values(1,"anu","engineer",1000000),(2,"moni","manager",300000),(3,"ramya","sales",290000);
select*from employee;
```

emp_id	ename	job_decs	salary
1	anu	engineer	1000000
2	moni	manager	3000000
3	ramya	sales	290000
NULL	NULL	NULL	NULL

After Insert :